

DEVICE AND METHOD FOR CONVERTING AN INPUT SIGNAL**ABSTRACT**

5 A device for converting an input signal having a bipolar pulse
with a positive part and a negative part of same duration,
into a difference signal includes a delay member with an input
for receiving the input signal and an output. The delay member
10 delays the input signal in order to obtain a delayed signal
and outputs the delayed signal to the output. The device fur-
ther includes a differential amplifier with a first input for
receiving the input signal, a second input for receiving the
delayed signal, and an output for outputting the difference
15 signal formed from the input signal and the delayed signal.